

What is claimed is:

- 1. A cable broadcasting system comprising,**
a center equipment including a broadcasting equipment for transmitting broadcasting signals to a transmission line and a transmission equipment for producing a command signal for setting tap output for plural tap devices provided dispersedly on said transmission line and transmitting said command signal to said transmission line ;
a power supply device disposed in every district made by sectioning said transmission line into plural sections for supplying said tap devices in each district with electricity via said transmission line ; and
said tap device provided dispersedly on said transmission line being provided with
a directional coupler for branching a part of broadcasting signals from said transmission line and outputting said branched broadcasting signals from tap output terminal to terminal equipment,
a latching relay provided in signal pass from said directional coupler to said tap output terminal for changing over the condition of on or off of said signal pass,

an operation circuit for changing over the condition of on or off of said signal pass by turning on said latching relay,

a receiving circuit for receiving said command signal transmitted from said center equipment,

a control circuit for setting output or stop of broadcasting signals from said tap output terminal by turning on said latching relay via said operation circuit in response to said command signal when said command signal is a command signal to said tap device, and

a power source circuit for supplying each of said built-in circuits with electricity after taking in a power signal from said transmission line and converting said power signal to a voltage for operation, wherein

said transmission equipment in said center equipment for transmitting said command signal to each said tap device via said transmission line is provided with

a command signal producing means for producing command signals to all said tap devices for which tap outputs should be set in response to tap output setting command at a rate of one tap device per each district where said power supply device is provided, when said tap

output setting command is inputted to all or some of the tap devices on said transmission line, and

a command signal transmitting means for transmitting command signals produced by said command signal producing means in order to said transmission line.

2. A cable broadcasting system according to claim 1, wherein

said command signal transmitting means is provided with an elapsed time determining means for determining whether the time elapsed after the previous command signal transmission to the same district which is the destination of the present command signal transmission got to an operation time necessary for the tap device to which a command signal was previously transmitted to finish tap output setting operation, when a command signal is produced in said command signal producing means, and after it was determined that said elapsed time got to said operation time, a command signal produced by said command signal producing means is transmitted to said transmission line.

3. A cable broadcasting system according to claim 1, wherein

at least one of tap devices provided on said transmission line is provided with splitter for further distributing broadcasting signals branched by said

directional coupler into a plural number and outputting said distributed broadcasting signals to plural tap output terminals, latching relays are provided in plural signal passes from said splitter to tap output terminals respectively, and said control circuit is constituted such that it turns on each said latching relay in order to set the condition of on or off of each said signal pass in order by controlling said operation circuit when it controls the condition of on or off of each said signal pass in response to said command signal.

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